

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior listings of claims:

Listing of Claims:

1. (Previously Presented) An apparatus, comprising:

a memory configured to store a pre-defined list of rules for detecting special data packets;

a detector configured to detect special data packets in a received plurality of data packets

based on the pre-defined list of rules stored in said memory;

a router configured to request instructions for the special data packets detected by said detector and route the special data packets in accordance with instructions received on request; and

an internal entity configured to store instructions for the special data packets,

wherein said router is configured to notify said internal entity of the detected special data packets and request instructions for the special data packets from said internal entity, and

wherein a gateway node is configured to determine and update the instructions stored in said internal entity during active operations, wherein the gateway node is connectable to at least one further router located outside said apparatus.

2. (Previously Presented) The apparatus of claim 1, wherein said router is configured to notify the gateway node of the detected special data packets instead of said internal entity, and request instructions for the special data packets from said gateway node instead of said internal entity.

3. (Previously Presented) The apparatus of claim 1, wherein said gateway node is configured to determine and update the rules stored in said memory during active operations.
4. (Previously Presented) The apparatus of claim 1, wherein said router is configured to modify the special data packets in accordance with the received instructions.
5. (Previously Presented) The apparatus of claim 1, wherein said router is configured to communicate with an external charging entity for charging the routing of the special data packets.
6. (Previously Presented) A method, comprising:
 - storing a pre-defined list of rules for detecting special data packets;
 - detecting special data packets in a received plurality of data packets based on the stored pre-defined list of rules;
 - requesting instructions for the detected special data packets and routing the special data packets in a data network in accordance with instructions received on request; and
 - notifying an internal entity of the detected special data packets and requesting instructions for the special data packets from said internal entity when requesting the instructions for the detected special data packets,
 - wherein the instructions stored in said internal entity are determined and updated by a gateway node during active operations,
 - wherein the method is used in an apparatus, and the gateway node is connectable to at least one further router located outside said apparatus.

7. (Previously Presented) The method of claim 6, wherein said requesting comprises:
 - notifying said gateway node of the detected special data packets instead of said internal entity; and
 - requesting instructions for the special data packets from said gateway node instead of said internal entity.

8. (Previously Presented) The method of claim 6, wherein the stored rules are determined and updated by said gateway node during active operations.

9. (Previously Presented) The method of claim 6, wherein said requesting of instructions comprises:

- modifying the special data packets in accordance with the received instructions.

10. (Previously Presented) The method of claim 6, further comprising:
 - communicating with an external charging entity for charging the routing of the special data packets.

- 11-15. (Cancelled)

16. (Previously Presented) An apparatus, comprising:

storing means for storing a pre-defined list of rules for detecting special data packets; detecting means for detecting special data packets in a received plurality of data packets based on the pre-defined list of rules stored in said storing means;

routing means for requesting instructions for the special data packets detected by said detecting means and route the special data packets in accordance with instructions received on request; and

internal entity means for storing instructions for the special data packets, wherein said routing means comprises notifying means for notifying said internal entity of the detected special data packets and request instructions for the special data packets from said internal entity, and

wherein a gateway node comprises means for determining and means for updating the instructions stored in said internal entity during active operations, wherein the gateway node is connectable to at least one further routing means located outside said apparatus.

17. (Cancelled)

18. (Previously Presented) An apparatus, comprising:

a router configured to request instructions for special data packets detected by a detector and route the special data packets in accordance with instructions received on request;

wherein said router is configured to notify an internal entity of the detected special data packets and request instructions for the special data packets from said internal entity, and

wherein said router is configured to notify a gateway node of the detected special data packets instead of said internal entity, and request instructions for the special data packets from

said gateway node instead of said internal entity, wherein the gateway node is connectable to at least one further router located outside said apparatus.

19. (Previously Presented) The apparatus of claim 18, wherein said router is configured to modify the special data packets in accordance with the received instructions.

20. (Previously Presented) The apparatus of claim 18, wherein said router is configured to communicate with an external charging entity for charging the routing of the special data packets.

21. (Cancelled)

22. (Currently Amended) A computer-readable storage medium storing a computer program product implemented on a computer-readable storage medium, said computer program product being configured to control a processor to perform a process, the process comprising:
storing a pre-defined list of rules for detecting special data packets;
detecting a special data packets in a received plurality of data packets based on one of the stored pre-defined list of rules;
requesting instructions for the detected special data packets;
routing the special data packets in a data network in accordance with instructions received upon the request;
notifying an internal entity of the detected special data packets; and

requesting instructions for the special data packets from the internal entity when requesting the instructions for the detected special data packets,
wherein the instructions stored in the internal entity are determined and updated by an gateway node during active operations, and
wherein the computer program product is used in an apparatus, and the gateway node is connectable to at least one further router located outside said apparatus.

23. (Previously Presented) An apparatus, comprising:
routing means for requesting instructions for special data packets detected by a detecting means and routing the special data packets in accordance with instructions received on request;
wherein said routing means comprises notifying means for notifying an internal entity of the detected special data packets and requesting instructions for the special data packets from said internal entity, and
wherein said routing means comprises notifying means for notifying a gateway node of the detected special data packets instead of said internal entity, and requesting instructions for the special data packets from said gateway node instead of said internal entity, wherein the gateway node is connectable to at least one further routing means located outside said apparatus.

24. (Previously Presented) A method, comprising:
requesting instructions for special data packets detected by a detector;
routing the special data packets in accordance with instructions received on request;
notifying an internal entity of the detected special data packets;
requesting instructions for the special data packets from said internal entity;

notifying a gateway node of the detected special data packets instead of said internal entity; and

requesting instructions for the special data packets from said gateway node instead of said internal entity, wherein the gateway node is connectable to at least one further router located outside an apparatus comprising the gateway node.

25. (Previously Presented) The method of claim 24, further comprising:
modifying the special data packets in accordance with the received instructions.

26. (Previously Presented) The method of claim 24, further comprising:
communicating with an external charging entity for charging the routing of the special data packets.

27. (Currently Amended) A computer-readable storage medium storing a computer program product implemented on a computer-readable storage medium, said computer program product being configured to control a processor to perform a process, the process comprising:
requesting instructions for special data packets detected by a detector;
routing the special data packets in accordance with instructions received on request;
notifying an internal entity of the detected special data packets;
requesting instructions for the special data packets from said internal entity;
notifying a gateway node of the detected special data packets instead of said internal entity; and

requesting instructions for the special data packets from said gateway node instead of said internal entity, wherein the gateway node is connectable to at least one further router located outside an apparatus comprising the gateway node.